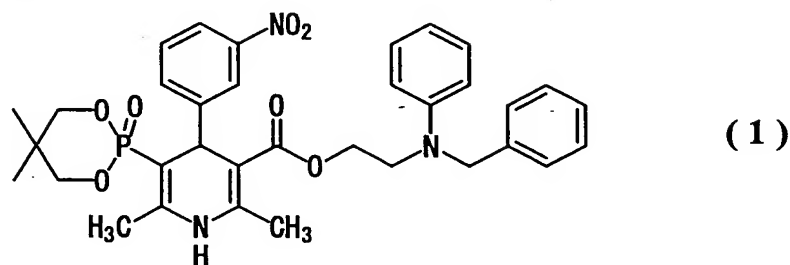


CLAIMS

1. A process for producing an optically active substance of compound of formula (1)



characterized by comprising:

dissolving a racemate of the compound of formula (1) in a solvent to prepare a supersaturated solution; and

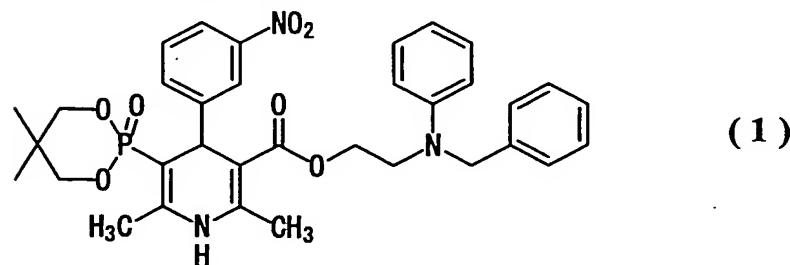
adding crystal of either one optically active substance of the compound of formula (1) as a seed crystal in the supersaturated solution to allow crystal of the one optically active substance added as the seed crystal to separate out; or

dissolving a mixture of the compound of formula (1) in which either one optically active substance thereof is present in excess in a solvent to prepare a supersaturated solution; and

adding crystal of the one optically active substance present in excess as a seed crystal in the supersaturated solution to allow crystal of the one optically active substance present in excess to separate out.

2. The process for producing an optically active substance according to claim 1, wherein the solvent is alcohols or esters.

3. A process for purifying an optically active substance of compound of formula (1)



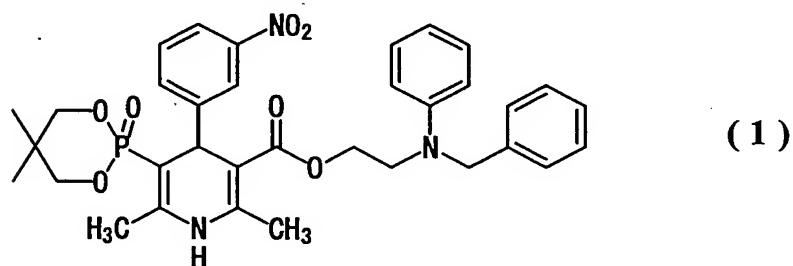
characterized by comprising:

recrystallizing a mixture of the compound of formula (1) in which either one optically

active substance thereof is present in excess, or allowing crystal to separate out from a solution of a mixture of the compound of formula (1) in which either one optically active substance thereof is present in excess, as a result of it, an optically active substance present in excess in a mother liquor from which the crystal is removed is the other optically active substance that is not one of the crystal.

4. The process for purifying an optically active substance according to claim 3, wherein the solvent is alcohols or esters.

5. A process for producing an optically active substance of compound of formula (1)



characterized by comprising:

dissolving a mixture of the compound of formula (1) in which either one optically active substance thereof is present in excess in an aromatic hydrocarbon of formula (2)



wherein X and Y are identical with or different from each other, hydrogen atom, C₁₋₃alkyl group, halogen atom or C₁₋₃alkoxy group, to prepare a supersaturated solution;

crystallizing a solvate of a racemate of the compound of formula (1) and the aromatic hydrocarbon from the supersaturated solution;

removing resulting crystal, and then

obtaining in a high purity the one optically active substance present in excess of the compound of formula (1).